



# R-5 Operating Guide

## 16 Channel Basic Receiver



### OPERATION

#### General

Receivers are factory configured and programmed for each application. Refer to the wiring diagram for your specific system for receiver wiring and output information.

#### Transmitter/Receiver Matching

Transmitters and receivers are shipped from the factory as matched pairs. If a new transmitter is to be used, it must be trained to operate the receiver.

Training procedure:

1. Power on transmitter and receiver.
2. Press "LEARN" button on receiver.
3. Operate transmitter normally.
4. LED should blink when transmitter button is pressed.

### SPECIFICATIONS

#### General

Power Requirement

12vdc, 100mA nominal + power to loads  
24vdc version available

#### Radio

Fuses

10 or 15-amp mini blade fuse

Frequency

RZ5: 2.4-2.4835GHz, Unlicensed ISM band international option  
RF5: 433.92MHz, fixed frequency

RF Connector (option)

BNC

Outputs

Up to 16 Solid state 5-amp sourcing, 15-amp total max.

Field Wiring

Internal, eurostyle cage clamp terminals  
Water resistant cable gland for wire entry  
Jacketed cable recommended

#### Environmental

Storage

-40°C to 85°C

Operating

-10°C to 60°C

### **IMPORTANT!**

Read this manual completely before operating system.

Keep this manual available for future reference.

Make sure the area is safe for operating equipment before turning power on or starting equipment.

If you encounter any problem or malfunction, discontinue use immediately, and contact your equipment dealer for service or replacement parts.

### **CAUTION**

Improper operation of these controls could cause damage to equipment. Do not allow anyone to operate this equipment before completely reading all manuals.

### **NOTICE**

Miratron, Inc. controls are not intended for life or safety applications. Miratron, Inc. shall not accept responsibility for installation, application, or safety of machine or systems which utilize miratron, Inc. controls.

### Care and Handling

Failure to follow care and handling instructions will void the warranty and could result in unsafe equipment operation.

Remove receiver from machine prior to welding on machine.

Do not paint electrical connectors.

Use only factory provided antenna and cabling.

Do not open receiver enclosure except to make adjustments to factory settings.

Use transmitter to test functions. Do not apply voltage to circuit board directly.